

AP20 Rec'd PCT/PTO 04 AUG 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Thomas WEDI et al. : **Mail Stop: PCT**
Serial No. NEW : Attorney Docket No. 2006_1196A
Filed August 4, 2006 :

ENCODING AND DECODING OF VIDEO
IMAGES BASED ON A NON-LINEAR QUANTIZATION
[Corresponding to PCT/EP2004/013591
Filed November 30, 2004]

10588482
10/588482
10/588482

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____; and/or
- ☐ each reference previously cited in prior parent application Serial No. _____.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

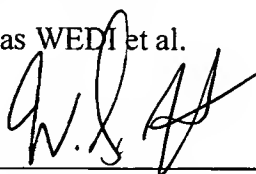
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3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☒ the concise explanation contained in the specification of the present application at page 5,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Thomas WEDI et al.

By



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August 4, 2006

Receipt date: 08/04/2006

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Sheet 1 of 1

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: August 4, 2006

ATTY DOCKET NO.
2006_1196ASERIAL
NEW **10/588482**APPLICANT
Thomas WEDI et al.

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FILING DATE
August 4, 2006

GROUP

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|--------------------|-------|----------------|-------|----------|-------------------------------|
| | AA | 6,347,116 | 02/02 | Haskell et al. | | | |
| | AB | 6,654,418 | 11/03 | Haskell et al. | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|--|----|--------------------|-------|---------|-------|----------|-----------------------|
| | AJ | 02/33958 | 04/02 | WO | | | |
| | AK | | | | | | |
| | AL | | | | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| AM | GUICHARD J ET AL: "INTRA-AND INTER FRAME TRANSFORM CODING FOR MOVING PICTURES TRANSMISSION" INTEGRATING THE WORLD THROUGH COMMUNICATIONS. TORONTO, JUNE 22-25, 1986, INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, IEEE, US VOL. 1, June 22, 1986, pages 381-384, XP000826958. |
| AN | NERI MERHAV: "Embedding Companders in JPEG Compression" HP LABS 1998 TECHNICAL REPORTS, 'Online! 1998, XP002285864. < http://www.hpl.hp.com/techreports/98/HPL-98-141.html >, retrieved on June 22, 2004. |
| AO | GERSHO A: "Principles of Quantization" IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS, vol. 25, no. 7, July 1, 1978, XP002285971, page 427, 428, 430, and 432. |
| AP | MCLEAN I ET AL: "Telecine Noise Reduction" 2001, LONDON, UK, IEE, UK, January 16, 2001, pages 2/1-6. XP002285972. |

EXAMINER

/Leron Beck/

DATE CONSIDERED

06/24/2011

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.B./